
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=9; day=11; hr=10; min=34; sec=12; ms=730;]

Validated By CRFValidator v 1.0.3

Application No: 10562803 Version No: 3.0

Input Set:

Output Set:

Started: 2009-08-27 19:56:20.946 **Finished:** 2009-08-27 19:56:23.082

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 136 ms

Total Warnings: 214
Total Errors: 0

No. of SeqIDs Defined: 214

Actual SeqID Count: 214

Erro	or code	Error Descript	ion								
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(1)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(2)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(3)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(4)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(5)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(6)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(7)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(8)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(9)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(10)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(11)
M	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(12)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(13)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(14)
M	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(15)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(16)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(17)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(18)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(19)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(20)

Input Set:

Output Set:

Started: 2009-08-27 19:56:20.946

Finished: 2009-08-27 19:56:23.082

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 136 ms

Total Warnings: 214

Total Errors: 0

No. of SeqIDs Defined: 214

Actual SeqID Count: 214

Error code Error Description

This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

```
<110> GAO, Huafang
     MA, Xuemei
      ZHANG, Chi
      CHEN, Qian
      ZHOU, Yiming
     WANG, Dong
      ZHANG, Yizhe
     TIAN, Yue
     ZHANG, Rui
     LAN, Genzxin
      ZHOU, Yuxiang
      CHENG, Jing
<120> DNA CHIP BASED GENETIC TYPING
<130> 514572001200
<140> 10562803
<141> 2006-06-30
<150> PCT/CN2003/000580
<151> 2003-07-18
<150> CN 03148529.4
<151> 2003-06-30
<160> 214
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 18
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 1
                                                                   18
cctgcgctct tggaccgc
<210> 2
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 2
                                                                   19
cctgcgctct tggaccgcg
```

<210> 3

```
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 3
cctcctgcgc tcttggaccg
                                                                    20
<210> 4
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 4
cctgcgctct tggacc
                                                                     16
<210> 5
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 5
cgtgtcccgg cccggc
                                                                    16
<210> 6
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 6
                                                                     16
atggagccgc gggcgc
<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 7
cctgcgctct tggaccgcgg
                                                                     20
<210> 8
<211> 18
<212> DNA
```

```
<213> Artificial Sequence
<220>
<223> Probe
<400> 8
                                                                    18
gcggtccaag agcgcagg
<210> 9
<211> 18
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 9
                                                                    18
cctgcgcttt tggaccgc
<210> 10
<211> 18
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 10
                                                                    18
cctgcgctgt tggaccgc
<210> 11
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 11
                                                                    22
gcaggagagg cctgagtatt gg
<210> 12
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 12
caccatcaga taatgtatgg ctgc
                                                                    24
<210> 13
<211> 25
<212> DNA
<213> Artificial Sequence
```

<220>	>	
<223>	> Probe	
<400>	→ 13	
	atccag ataatgtatg gctgc	25
caccc	accord according goods	20
<210>	11	
<211>		
	> DNA	
<2132	> Artificial Sequence	
<220>		
<223>	> Probe	
<400>	> 14	
ttcta	acacct ccgtgtcccg	20
<210>	> 15	
<211>	→ 19	
<212>	> DNA	
<213>	> Artificial Sequence	
	•	
<220>	>	
	> Probe	
12201	11000	
<400>	> 15	
	catcg cagtgggct	19
egeee	carry cagragger	
<210>	> 16	
<211>		
	> DNA	
	> Artificial Sequence	
\Z13/	Altificial Sequence	
<220>		
<2232	> Probe	
<400>		
cgago	ccagaa gatggagcc	19
<210>		
<211>		
<212>	> DNA	
<213>	> Artificial Sequence	
<220>	>	
<223>	> Probe	
<400>	> 17	
ccgcc	gggcac cgtggata	18
<210>	> 18	
<211>	> 20	
<212>	> DNA	
	> Artificial Sequence	
	4	
<220>	>	
	> Probe	
~~~	LIONE	

<400> 18	
gcaggagggt ccggagtatt	20
<210> 19	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 19	
gacgtggggc cggacggg	18
<210> 20	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
•	
<220>	
<223> Probe	
<400> 20	
gacgggcgcc tcctccgc	18
gacgggegee coccoge	
<210> 21	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
213/ Micrificial Bequence	
<220>	
<223> Probe	
(223) I Tobe	
<400> 21	
cgggtaccac cagtacgcct	20
egggeaceae eageaegeee	20
<210> 22	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
V213/ Altilitat Sequence	
<220>	
<223> Probe	
\ZZ3\times \PIODE	
<400> 22	
ggtaccggca ggacgccta	19
gytaccygea gyacyceta	12
<210> 23	
<210> 23 <211> 19	
<211> 19 <212> DNA	
<213> Artificial Sequence	
<220\ 	
<220>	
<223> Probe	

<400> 23

cgccctgaac gaggacctg	19
<210> 24	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 24	
cggacatggc agctcagatc	20
<210> 25	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 25	
ccaccaagca caagtggga	19
<210> 26	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 26	
aagtgggaga cggcccatg	19
2010. 07	
<210> 27	
<211> 18 <212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
(223) [1000	
<400> 27	
aggeggeeg tgtggegg	18
55-5555-55	
<210> 28	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 28	
aggcggtcca tgcggcgg	18

```
<210> 29
<211> 18
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 29
cggcccatga ggcggagc
                                                                     18
<210> 30
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 30
                                                                    19
tacctggatg gcacgtgcg
<210> 31
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 31
ctggagggcg agtgcgtgg
                                                                    19
<210> 32
<211> 18
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 32
tgcgtggacg ggctccgc
                                                                    18
<210> 33
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Probe
<400> 33
                                                                     24
gtatttctac acctccgtgt cccg
<210> 34
<211> 19
```

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 34	
cgagcggttt gacagcgac	19
- cydgoggeee gaeagogae	
<210> 35	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
2137 Altificial bequence	
<220>	
<223> Probe	
<223> Prope	
<400> 35	
	1.0
cgtgcggttc gacagcgac	19
<210> 36	
<211> 16	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 36	
cgtggggccg gacggg	16
egragageeg gaegag	
egeggggeeg gaeggg	
<210> 37	
<210> 37	
<210> 37 <211> 17	
<210> 37 <211> 17 <212> DNA	
<210> 37 <211> 17 <212> DNA	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence <220> <223> Probe	17
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 37	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 37	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 37 aggcggtcca tgcggcg	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 37 aggcggtcca tgcggcg  <210> 38 <211> 18	
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 37 aggcggtcca tgcggcg  &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA</pre>	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 37 aggcggtcca tgcggcg  <210> 38 <211> 18	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 37 aggcggtcca tgcggcg  <210> 38 <211> 18 <212> DNA <213> Artificial Sequence	
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 37 aggcggtcca tgcggcg  &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;&lt;220&gt;</pre>	
<210> 37 <211> 17 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 37 aggcggtcca tgcggcg  <210> 38 <211> 18 <212> DNA <213> Artificial Sequence	
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 37 aggcggtcca tgcggcg  &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe</pre>	
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 37 aggcggtcca tgcggcg  &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe &lt;&lt;400&gt; 38</pre>	17
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 37 aggcggtcca tgcggcg  &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe</pre>	
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 37 aggcggtcca tgcggcg  &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe </pre>	17
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 37 aggcggtcca tgcggcg &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;420&gt; Probe &lt;420&gt; ONA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 38 cccggccgcg gggagccc &lt;410&gt; 38 cccggccgcg gggagccc</pre>	17
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 37 aggcggtcca tgcggcg &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe</pre>	17
<pre>&lt;210&gt; 37 &lt;211&gt; 17 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 37 aggcggtcca tgcggcg &lt;210&gt; 38 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;420&gt; Probe &lt;420&gt; ONA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 38 cccggccgcg gggagccc &lt;410&gt; 38 cccggccgcg gggagccc</pre>	17

<223> Probe	
<400> 39	
ccgcgggcgc cgtggata	18
<210> 40	
<211> 19	
<212> DNA <213> Artificial Sequence	
\213/ Altificial Sequence	
<220>	
<223> Probe	
<400> 40	19
tgggacgagg agacaggga	19
<210> 41	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 41	
tgggaccagg agacacgga	19
<210> 42	
<210> 42 <211> 19	
<211> 19	
<211> 19 <212> DNA <213> Artificial Sequence	
<211> 19 <212> DNA <213> Artificial Sequence <220>	
<211> 19 <212> DNA <213> Artificial Sequence	
<211> 19 <212> DNA <213> Artificial Sequence <220>	
<211> 19 <212> DNA <213> Artificial Sequence <220> <223> Probe	19
<211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 42 tggggaccet gegeggeta	19
<211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 42 tggggaccct gcgcggcta  <210> 43	19
<211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 42 tggggaccct gcgcggcta  <210> 43 <211> 18	19
<211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 42 tggggaccct gcgcggcta  <210> 43	19
<211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 42 tggggaccet gegeggeta  <210> 43 <211> 18 <212> DNA	19
<211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 42 tggggaccct gcgcggcta  <210> 43 <211> 18 <212> DNA <213> Artificial Sequence  <220>	19
<211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 42 tggggaccct gcgcggcta  <210> 43 <211> 18 <212> DNA <213> Artificial Sequence	19
<pre>&lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 42 tggggaccct gcgcggcta  &lt;210&gt; 43 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe</pre>	19
<211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 42 tggggaccct gcgcggcta  <210> 43 <211> 18 <212> DNA <213> Artificial Sequence  <220>	19
<pre>&lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 42 tggggaccct gegeggeta  &lt;210&gt; 43 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe &lt;&lt;400&gt; 43</pre>	
<pre>&lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 42 tggggaccct gcgcggcta  &lt;210&gt; 43 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 43 gacgtggggt cggacggg</pre> <410> 43 <211> Artificial Sequence	
<pre>&lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 42 tggggaccct gcgcggcta  &lt;210&gt; 43 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 43 gacgtgggt cggacggg &lt;210&gt; 44 &lt;211&gt; 18</pre>	
<pre>&lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 42 tggggaccct gcgcggcta  &lt;210&gt; 43 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 43 gacgtggggt cggacggg</pre> <410> 43 <211> Artificial Sequence	

<223> PI	edo	
<400> 44		
		18
gacgggcg	ce ecceege	10
<210> 45		
<211> 19		
<212> DN		
	tificial Sequence	
,219, 111	cilicial bequence	
<220>		
<223> Pr	robe	
<400> 45		
		19
9-999	9999-	
<210> 46		
<211> 19		
<212> DN		
	tificial Sequence	
,219, 111	cilicial bequence	
<220>		
<223> Pr	robe	
<400> 46		
		19
-99-		
<210> 47		
<211> 20		
<212> DN		
	tificial Sequence	
,219, 111	cilicial bequence	
<220>		
<223> Pr	robe	
<400> 47		
		20
99		
<210> 48		
<211> 21		
<212> DN		
	tificial Sequence	
<220>		
<223> Pr	robe	
<400> 48		
		21
- 5 - 1 - 0 - 0		
<210> 49		
<211> 20		
<212> DN		
	tificial Sequence	
<220>		
<223> Pr	robe	

<400> 49	~ ~
ageteagate acegagegea	20
<210> 50	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 50	
ggctcagatc acccagcgca	20
<210> 51	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 51	
tcagatcacc cagcgcaagt g	21
<210> 52	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 52	
agacggccca tgaggcg	17
<210> 53	
<211> 18 <212> DNA	
<212> DNA <213> Artificial Sequence	
<220>	
<223> Probe	
<400> 53	1.0
agacggccca tgaggcgg	18
<210> 54	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 54	
geggageage ggagagtet	19

<210> 55	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
V2137 Altilitat bequence	
.000	
<220>	
<223> Probe	
<400> 55	
agacggccca tgaggcgg	18
<210> 56	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 56	
gcggagcagt tgagagcct	19
<210> 57	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<223> Probe	
<223> Probe <400> 57	
<400> 57	19
	19
<400> 57 ggcggagcag ttgagagcc	19
<400> 57 ggcggagcag ttgagagcc <210> 58	19
<400> 57 ggcggagcag ttgagagcc <210> 58 <211> 19	19
<400> 57 ggcggagcag ttgagagcc <210> 58 <211> 19 <212> DNA	19
<400> 57 ggcggagcag ttgagagcc <210> 58 <211> 19	19
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence	19
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence  <220>	19
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence	19
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence  <220>	19
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence  <220>	19
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe	19
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 58	
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 58	
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 58 gcggagcagt ggagagcct	
<400> 57 ggcggagcag ttgagagcc  <210> 58 <211> 19 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 58 gcggagcagt ggagagcct  <210> 59	
<pre>&lt;400&gt; 57 ggcggagcag ttgagagcc  &lt;210&gt; 58 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 58 gcggagcagt ggagagcct  &lt;210&gt; 59 &lt;211&gt; 19 &lt;212&gt; DNA</pre>	
<pre>&lt;400&gt; 57 ggcggagcag ttgagagcc  &lt;210&gt; 58 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 58 gcggagcagt ggagagcct  &lt;210&gt; 59 &lt;211&gt; 19</pre>	
<pre>&lt;400&gt; 57 ggcggagcag ttgagagcc  &lt;210&gt; 58 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 58 gcggagcagt ggagagcct  &lt;210&gt; 59 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</pre>	
<pre>&lt;400&gt; 57 ggcggagcag ttgagagcc  &lt;210&gt; 58 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 58 gcggagcagt ggagagcct  &lt;210&gt; 59 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</pre>	
<pre>&lt;400&gt; 57 ggcggagcag ttgagagcc  &lt;210&gt; 58 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 58 gcggagcagt ggagagcct  &lt;210&gt; 59 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</pre>	
<pre>&lt;400&gt; 57 ggcggagcag ttgagagcc  &lt;210&gt; 58 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 58 gcggagcagt ggagagcct  &lt;210&gt; 59 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</pre>	
<pre>&lt;400&gt; 57 ggcggagcag ttgagagcc  &lt;210&gt; 58 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 58 gcggagcagt ggagagcct  &lt;210&gt; 59 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;&lt;220&gt;</pre>	19
<pre>&lt;400&gt; 57 ggcggagcag ttgagagcc  &lt;210&gt; 58 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 58 gcggagcagt ggagagcct  &lt;210&gt; 59 &lt;211&gt; 19 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</pre>	

	18	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Probe	
<400>	60	
tgcgt	ggagt ggctccgc	18
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Probe	
- 400>		
<400>		1.0
tcacco	gagtg gacctgggg	19
<210>		
<210>		
<212>		
\Z13/	Artificial Sequence	
<220>		
<223>	Prohe	
\223/	riope	
<400>	62	
ccaaat	Eggac ctggggacc	19
ccgagt	tggac ctggggacc	19
		19
<210>	63	19
<210>	63 19	19
<210> <211> <212>	63 19 DNA	19
<210> <211> <212>	63 19	19
<210> <211> <212>	63 19 DNA	19
<210><211><211><212><213>	63 19 DNA Artificial Sequence	19
<210><211><211><212><213>	63 19 DNA Artificial Sequence	19
<210><211><211><212><213>	63 19 DNA Artificial Sequence	19
<210><211><211><212><213><223><400>	63 19 DNA Artificial Sequence  Probe 63	19
<210><211><211><212><213><223><400>	63 19 DNA Artificial Sequence  Probe 63	
<210><211><211><212><213><223><400>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg	
<210> <211> <212> <213> <220> <223> <400> tgacco	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg	
<210> <211> <212> <213> <220> <223> <400> tgacco <211> <211>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA	
<210> <211> <212> <213> <220> <223> <400> tgacco <211> <211>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20	
<210> <211> <212> <213> <220> <223> <400> tgacco <211> <211> <212> <213>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA	
<210> <211> <212> <213> <223> <223> <400> tgacce <211> <211> <212> <213>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA Artificial Sequence	
<210> <211> <212> <213> <220> <223> <400> tgacco <211> <211> <212> <213>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA Artificial Sequence	
<210> <211> <212> <213> <223> <223> <400> <221> <211> <212> <213> <221> <221>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA Artificial Sequence	
<210> <211> <212> <213> <220> <223> <400> <210> <211> <212> <213> <400> <210> <211> <212> <213>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA Artificial Sequence  Probe 64	19
<210> <211> <212> <213> <220> <223> <400> <210> <211> <212> <213> <400> <210> <211> <212> <213>	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA Artificial Sequence  Probe 64	
<210> <211> <212> <213> <220> <223> <400> tgacco <211> <211> <212> <213> <400> ccgaga	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA Artificial Sequence  Probe 64 agaac ctgcggatcg	19
<210> <211> <212> <213> <220> <223> <400> tgacco <211> <212> <213> <400 <211> <212> <213> <210> <210> <211> <212> <213>	63 19 DNA Artificial Sequence  Probe 63 gagaga aacctgcgg 64 20 DNA Artificial Sequence  Probe 64 agaac ctgcggatcg 65	19
<210> <211> <212> <213> <220> <223> <400> tgacco <211> <211> <212> <213> <400> ccgaga	63 19 DNA Artificial Sequence  Probe 63 gagag aacctgcgg 64 20 DNA Artificial Sequence  Probe 64 agaac ctgcggatcg 65 20	19

<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 65	
gaaggcccac tcacagactg	20
<210> 66	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 66	
tatttcttca catccgtgtc ccg	23
<210> 67	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 67	0.7
tctacacttc cgtttcccgg c	21
<210> 68	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
•	
<220>	
<223> Probe	
<400> 68	
ctacacctcc atgtcccggc	20
<210> 69	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
ALLOW FLOWE	
<400> 69	
ccggaacaca cggaaagtga a	21
<210> 70	
<211> 19	
<212> DNA	
<213> Artificial Sequence	

<220>		
<223>	Probe	
<400>	70	
	gacgg ggagacacg	19
,,,,,		
<210>	71	
<211>		
<212>		
	Artificial Sequence	
	-	
<220>		
<223>	Probe	
<400>	71	
gacaco	ggaat atgaaggccc a	21
<210>	72	
<211>	20	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Probe	
<400>	72	
gacaco	ggaat gtgaaggccc	20
<210>		
<211>		
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Probe	
<400>		0.0
tcacac	gactc accgagtgga cc	22
-010	7.4	
<210>		
<211> <212>		
	Artificial Sequence	
\213/	Artificial Sequence	
<220>		
<223>	Prohe	
1229/		
<400>	7.4	
	gattg accgagtgga cc	22
224049	g g g g g g g g g g g g g g g g g g g g g g g g g g	
<210>	75	
<211>		
<212>		
	Artificial Sequence	
-	•	
<220>		
	Probe	

<400> 75	
tcacagactg accgagtgga cc	22
<210> 76	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 76	
cgagcgaacc tggggacc	18
<210> 77	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
12237 11030	
<400> 77	
ccgagagagc ctgcggatc	19
cegagagage ergeggare	10
<210> 78	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<b>(220)</b>	
<220>	
<223> Probe	
4400. 70	
<400> 78	
accgagagaa cctggggacc	20
<210> 79	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 79	
gtggacctgg cgaccctgc	19
<210> 80	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	

<400> 80

caccgtccag aggatgtatg gc	22
<210> 81	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
·	
<220>	
<223> Probe	
<400> 81	
accagcagga cgcttacgac g	21
<210> 82	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
- -	
<220>	
<223> Probe	
<400> 82	
tegeettgaa egaggaeetg	20
<210> 83	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
4400 00	
<400> 83 cctgcgctct tggaccgc	18
cetyegetet tygaeege	10
<210> 84	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 84	
tcagaccacc aagcacaagt gg	22
<210> 85	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
(220)	
<220>	
<223> Probe	
<400> 85	
gaggcggccc atgtggc	17

<210>	86	
<211>	17	
<212>	DNA	
<213>	Artificial Sequence	
	•	
<220>		
<223>	Prohe	
12297	11000	
<400>	86	
		17
ggeeea	atgcg gcggagc	1 /
-010s	0.7	
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Probe	
<400>	87	
gcggc	ccgtc gggcgga	17
<210>	88	
<211>	18	
<212>	DNA	
<213>	Artificial Sequence	
	•	
<220>		
<223>	Probe	
<400>	88	
		18
gcacgi	gegt ggagtgge	10
<210>	9.0	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Probe	
<400>	89	
gccggt	gegt ggaeggge	18
<210>	90	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Probe	
<400>	90	
	ytgcg tggagtggc	19
J 5 - 5 - 5	-66-6 66 66	
<210>	91	
<211>		
·	± •	

<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 91	
gcacgtgcgt ggacgggc	18
<210> 92	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
•	
<220>	
<223> Probe	
<400> 92	
gccggtgcgt ggagtggc	18
555-5-5-	
<210> 93	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
12137 Altilitial bequence	
<220>	
<223> Probe	
C223/ Plope	
×400× 02	
<400> 93	19
ggcgagtgcg tggacgggc	
	17
	10
<210> 94	17
<210> 94 <211> 21	10
<210> 94 <211> 21 <212> DNA	10
<210> 94 <211> 21	10
<210> 94 <211> 21 <212> DNA <213> Artificial Sequence	19
<210> 94 <211> 21 <212> DNA <213> Artificial Sequence	10
<210> 94 <211> 21 <212> DNA <213> Artificial Sequence	10
<210> 94 <211> 21 <212> DNA <213> Artificial Sequence <220> <223> Probe	10
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 94</pre>	
<210> 94 <211> 21 <212> DNA <213> Artificial Sequence <220> <223> Probe	21
<210> 94 <211> 21 <212> DNA <213> Artificial Sequence <220> <223> Probe <400> 94 agacacggaa agtgaaggcc c	
<210> 94 <211> 21 <212> DNA <213> Artificial Sequence  <220> <223> Probe  <400> 94 agacacggaa agtgaaggcc c  <210> 95	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22</pre>	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA</pre>	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22</pre>	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</pre>	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;&lt;220&gt;</pre>	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</pre>	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;2212&gt; Probe</pre>	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;213&gt; Probe </pre>	21
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Probe  &lt;400&gt; 94 agacacggaa agtgaaggcc c  &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;2212&gt; Probe</pre>	
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 94 agacacggaa agtgaaggcc c &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;400&gt; 95 tggccctgac cgagacctgg gc</pre>	21
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 94 agacacggaa agtgaaggcc c &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;2210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 95 tggccctgac cgagacctgg gc &lt;210&gt; 96</pre>	21
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 94 agacacggaa agtgaaggcc c &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;400&gt; 95 tggccctgac cgagacctgg gc</pre>	21
<pre>&lt;210&gt; 94 &lt;211&gt; 21 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 94 agacacggaa agtgaaggcc c &lt;210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;2210&gt; 95 &lt;211&gt; 22 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence &lt;220&gt; &lt;223&gt; Probe &lt;400&gt; 95 tggccctgac cgagacctgg gc &lt;210&gt; 96</pre>	21

<220>	
<223> Probe	
<400> 96	
ctacaaccag agcgaggccg	20
<210> 97	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
4400, 07	
<400> 97	19
gccctgaccc agacctggg	19
<210> 98	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
1213) Michield Bequence	
<220>	
<223> Probe	
<400> 98	
cccgaaccct cctcctgc	18
<210> 99	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 99	
cccgaaccgt cctcctgc	18
<210> 100	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
VZZOV LIONE	
<400> 100	
tgctctcggc ggccctg	17
J JJ - 99 9	1.
<210> 101	
<211> 18	
<212> DNA	
color Ambificial Communication	
<213> Artificial Sequence	

<223> Prope	
<400> 101	
tgctctcggg agccctgg	18
<210> 102	
<211> 16	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 102	
ggggggcagt ggccct	16
<210> 103	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
.400. 100	
<400> 103	21
tgaggtattt cgacaccgcc a	∠1
<210> 104	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
(213) Metricial bequence	
<220>	
<223> Probe	
<400> 104	
tgaggtattt ctacaccgcc atg	23
<210> 105	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Probe	
<400> 105	
tttccacacc tccgtgtccc	20
<210> 106	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220×	
<220>	
<223> Probe	